

PR-11-08

Request for Proposal

**To Provide Electric Energy to the
Virgin Islands Water and Power Authority**

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I. OVERVIEW

The Virgin Islands Water and Power Authority (“WAPA”) is issuing this Request for Proposal (“RFP”) to reduce the costs of providing electricity to its customers and to decrease WAPA’s dependence on volatile oil prices by attracting the development or expansion of non-oil electricity generation facilities.

This RFP procures electricity for both St. Thomas and St. Croix. Separate bids are required for each location as the two electrical systems are not interconnected. Respondents may submit bids for one or both locations.

The RFP is open to all generation technologies except oil-fired solutions. This would include all renewable energy technologies as well as generation from non-oil fossil fuels such as coal and pet coke. All energy offered to WAPA in response to this RFP must be from assets operated in the U.S. Virgin Islands.

WAPA desires to enter into a 20 year PPA for the purchase of energy with one or more winning Respondents.

WAPA would prefer that delivery of electricity start before January 1, 2012. However, bidders may propose solutions that start beyond that date.

WAPA does not intend to participate as a bidder or to offer a self-build option.

WAPA will consider buy out options that may be presented by the winning solution(s). However, such options, if any, will be analyzed separately from this RFP and will have no bearing on the evaluation and selection of winner(s) for this RFP. Respondents wishing to propose a buy out option, should describe a proposed methodology by which a buy out price can be determined at some point in the future.

WAPA has compiled a team of experienced advisors to manage and support this procurement process:

Boston Pacific Company, Inc. designed and is managing the procurement process, which includes, in part, developing the RFP and conducting bid evaluation.

R.W. Beck, Inc. modeled WAPA’s future energy needs and projected costs that are attached to this RFP.

Skadden, Arps, Slate, Meagher & Flom LLP developed the model Power Purchase Agreement (PPA) attached to this RFP and will represent WAPA in negotiating, drafting, and finalizing contracts with the winning Respondent(s).

II. PRODUCT BEING SOLICITED: ASSET BACKED GUARANTEED MONTHLY ENERGY

A. Description

Proposals are sought for projects that can provide a guaranteed monthly supply of energy to WAPA for a period of 20 years. Energy to be supplied must be offered at a cost that is lower than WAPA's projected energy costs for that time period. The guaranteed energy must be asset backed by non-oil electricity generation facilities and pricing may not be indexed to oil prices.

Electricity must be delivered to one of WAPA's interconnection points outlined in Attachment H. Bidders are solely responsible for securing an interconnection to WAPA's transmission system. A form of interconnection agreement will be provided to shortlisted Respondents.

WAPA is not seeking capacity as part of this RFP. Any potential future need for capacity will be addressed by a separate RFP.

B. Resources Needed

Attachment B contains the maximum amount of electricity that can be displaced each month during peak and off-peak hours for the years 2008 through 2030. Respondents should propose a level of guaranteed energy delivery to displace all or part of the amounts shown in Attachment B for a period of 20 years. Four tables are provided:

Table 1. Maximum amount of electricity that can be displaced – PEAK HOURS (MWh) – St. Thomas

Table 2. Maximum amount of electricity that can be displaced – OFF PEAK HOURS (MWh) – St. Thomas

Table 3. Maximum amount of electricity that can be displaced – PEAK HOURS (MWh) – St. Croix

Table 4. Maximum amount of electricity that can be displaced – OFF PEAK HOURS (MWh) – St. Croix

WAPA's goal is to displace as much as possible the energy quantities presented in these tables. As such, WAPA may select a single winning bid that achieves

this goal or, alternatively, WAPA may select multiple winning bids that in aggregate meet this goal.

Respondents must provide a monthly generation output that they are willing to guarantee. Attachment E provides a template to be used by Respondent to indicate the energy they propose to displace. When arriving at this amount, Respondents should take into consideration that monthly delivery of energy to WAPA must be distributed in such a way that the energy delivered in any given hour is not greater than WAPA's system can reliably absorb. Attachment C provides guidance to Respondents of the average amount of energy that can be delivered at any given hour during a given month.

During the course of the 20 year contract, WAPA will assess a charge for any shortfalls below the monthly quantities guaranteed by the winning Respondent. The charge will be calculated by multiplying the unmet guaranteed energy for the month by the difference in price between Respondent's price and a projected WAPA energy price schedule that will be calculated during contract negotiations based on the specific characteristics of the winning bid(s).

WAPA has an option to purchase excess energy over the monthly guarantee from any winning generating facility(s) to the extent it is economical and does not adversely impact system reliability. The purchase price for any excess energy will be negotiated between WAPA and winner(s) on a periodic basis.

C. Pricing

Respondents are to provide an "all-in" electricity price in \$/MWh on a monthly or yearly basis for a period of 20 years. Respondents have the option of providing a different on-peak and off-peak price for each month or year. WAPA's on-peak hours currently are the hours from 7 a.m. to 11 p.m. Monday-Friday, and off-peak hours are those remaining (nights and weekends).

By "all in" we mean that the pricing must include all capital costs, fuel costs, fixed and variable O&M costs, and any other costs associated with delivering the guaranteed energy of the facility to the bid-specified point of delivery on WAPA's system.

The price must also factor in the fact that Respondents will be responsible for all interconnection costs associated with delivering energy to WAPA's system as well as costs associated with possible upgrades to WAPA system that may be necessary to support the proposed solution.

Respondent should provide a fixed price for the delivery term of the PPA, although prices may be different from month-to-month and/or from year-to-year. Respondent has the option to index the price, or components of the price, to one

or more well publicized inflation indices from a U.S. government source (e.g. Bureau of Labor Statistics).

III. OVERVIEW OF WAPA'S ELECTRIC SYSTEM

WAPA is a public corporation and an instrumentality of the government of the U.S. Virgin Islands, which was created in 1964, pursuant to Chapter 5 of Title 30 of the U.S. Virgin Islands Code, as amended, to develop an adequate electric service to customers in the United States Virgin Islands including St. Thomas, St. Croix, St. John, and Water Island. WAPA also owns, operates and maintains potable water production and storage facilities, including wells and seawater desalination equipment and water distribution facilities. Except for a few self-generating commercial entities, WAPA is the only electric and water public utility in the U.S. Virgin Islands.

WAPA owns, operates and maintains electric generation, distribution, and substation facilities that supply electric energy to approximately 50,000 customers. WAPA has major generation facilities located on the islands of St. Thomas and St. Croix, and has limited back-up generation facilities in St. John. All of WAPA's existing generation is based on No. 6 or No. 2 fuel oil. St. Thomas is interconnected with St. John, Hassel, and Water Island. Due to topography of the ocean floor, St. Croix is not interconnected with the other islands.

A. Regulation

WAPA and its electric system are subject to regulation by territorial and federal agencies. Rates and charges for electricity are regulated by the Virgin Islands Public Services Commission (PSC). In addition, the Virgin Islands Department of Planning and Natural Resources (DPNR) promulgates rules and regulates WAPA's environmental performance. The Virgin Islands Coastal Zone Management Agency regulates construction activities through its permitting process. Most environmental regulations established by the U.S. Environmental Protection Agency (EPA), as well as territorial regulations, are administered in the U.S. Virgin Islands by the DPNR. With regard to certain security issues, WAPA is subject to the jurisdiction of the U.S. Coast Guard.

B. St. Thomas and St. John

As of June 30, 2006 there were 27,422 customers, including 22,186 residential customers and 4,586 commercial customers.

Historical Peak Demand and Energy Requirements

	2003	2004	2005	2006
Peak Demand (MW)	80.6	83.1	86.3	88.2
Total System Requirements (MWh)	528,392	548,618	555,273	559,825
Annual Load Factor	74.8%	75.4%	73.4%	72.5%

Generation facilities on St. Thomas are located at the Randolph E. Harley Generation Station at Krum Bay, which is on the southwestern end of the island. This site serves all electric generation needs for St. Thomas, St. John, Hassel, and Water Island, except for the emergency diesel-generating unit on St. John.

Total nameplate capacity is 199.0 MWs which consists of 69.8% combustion turbine, 28.9% steam, and 1.3% diesel.

On the island of St. Thomas, WAPA has three subtransmission lines that operate at 34.5 kV that connect the Generating Station at Krum Bay to the Long Bay Substation, the East End Substation, the Tutu Substation, and the St. John Substation. Primary distribution feeders originate from all of these substations and operate at 13.8 kV. WAPA's distribution system on St. Thomas is illustrated on Attachment H.

C. St. Croix

As of June 30, 2006 there were 25,151 customers, including 20,616 residential customers and 3,589 commercial customers.

Historical Peak Demand and Energy Requirements

	2003	2004	2005	2006
Peak Demand (MW)	52.8	54.9	55.5	53.5
Total System Requirements (MWh)	360,513	359,941	365,541	366,678
Annual Load Factor	77.9%	74.8%	75.2%	78.2%

All of the existing electric generation facilities on St. Croix are located on the north shore of the island near the town of Christiansted at the Estate Richmond site.

Total nameplate capacity is 122.4 MWs which consists of 76.1% combustion turbine and 23.9% steam.

The primary distribution system on the island of St. Croix is a radial configuration with nine feeders all originating at the Estate Richmond generating station. Six of the nine feeders operate at 13.8 kV, and the other three feeders operate at 24.9 kV. WAPA's distribution system on St. Croix is illustrated on Attachment H.

D. WAPA Power Supply Planning Study

WAPA has asked R.W. Beck to undertake a power supply planning study, which is scheduled to be completed by end of January 2008. Upon request, WAPA will make the study available to all interested parties on or prior to the pre-bid conference. Respondents should use this study for further guidance on a proposed solution to WAPA.

The study will present near and long term power supply options determined by .W. Beck that would improve WAPA's cost of electric power production and reduce its dependence on imported oil, and analyze benefits of using different generating technologies that are not oil-based, such as renewables and pet coke.

IV. EVALUATION CRITERIA

A. Pre-Qualification

WAPA intends to pre-qualify Respondents as part of the selection process. The purpose of the pre-qualification is to ensure that Respondents: a) have experience designing, constructing and operating generating facilities similar to the one that will be proposed to WAPA, b) have the ability to obtain financing to undertake the project, and c) are proposing non-oil based solutions that are commercially feasible. For a new technology, Respondent must show how they can mitigate the risk of using new technology. One example would be to provide a higher level of construction and performance security than would be required for a project not subject to new technology risk.

Respondents are asked to fill the Pre-Qualification form in Attachment A. WAPA will use the provided information to assess the bidder's eligibility. Respondents will be notified if they pass Pre-Qualification and are eligible to submit a proposal. Attachment G describes the criteria that will be used to pre-qualify Respondents.

B. Proposal Evaluation

1. Price Evaluation

Bids will be compared against *WAPA Benchmark Projected Energy Costs*. The *WAPA Benchmark Projected Energy Costs* assume that WAPA continues to generate electricity from its current oil-based generation park.

WAPA Benchmark Projected Energy Costs will be calculated based on the maximum amount of electricity that can be displaced, which is shown in Attachment B, and the projected costs to WAPA for this energy, shown in Attachment D.

Bids that provide the greatest net present value savings to WAPA when compared to the *WAPA Benchmark Energy Costs* will be scored highest.

2. Non-Price Evaluation

A score for Non-Price Factors will be determined based on WAPA's evaluation of the responses provided to the following sections described in V. RFP Response Instructions:

- Section 5 – Technical and Operations Description
- Section 6 – Financing Plan
- Section 7 – Site Characteristics
- Section 9 – Environmental Compliance Plan
- Section 10 – Other Information
- Section 11 – Comments and Proposed Additions/Deletions to PPA

Attachment G describes the criteria that will be used to score non-price items.

3. Selection of Winning Bid and Negotiations

A final score will be calculated by applying the following weights to the Price and Non-Price Score:

$$(\text{Price Factor Score} * 70\%) + (\text{Non-Price Factor Score} * 30\%) = \text{Final Score}$$

WAPA intends to prepare a short-list of the bids with the highest Final Scores. WAPA will conduct additional analysis of short-listed bids which will include a) analysis of projected costs to WAPA with the integration of the bids into WAPA's generating profiles b) sensitivity analysis on key variables such as demand, oil price forecasts, and c) other factors to ensure the proposed solution is of benefit to consumers over the term of the PPA under a range of market conditions.

WAPA may then select one or more short-listed proposal(s) for final consideration and initiate negotiations with the short-listed Respondent(s). WAPA expects to execute contract(s) within 3 months of selection of winner(s).

V. RFP RESPONSE INSTRUCTIONS

Each proposal shall contain the contents described in this section.

Respondents who are submitting a proposal for both St. Croix and St. Thomas must submit individual proposals for each location.

Section 1 – Cover Letter

The cover letter must include the signature(s) of a representative or representatives having authority to contractually commit to the offer provided in the proposal.

Section 2 – Executive Summary

The Executive Summary should highlight the content of the Proposal. It should include a general description of the generation type and fuel source, generation site location, interconnection location, business arrangement and financing of the project.

Section 3 – Energy to be Displaced

In Attachment E, Respondent should indicate the monthly energy quantity that will be displaced by the proposed solution. This is the monthly amount of energy that the bidder is willing to guarantee to WAPA over each year of a 20 year period.

Section 4 – Price Proposal

In Attachment F, Respondent should indicate their price proposal on a monthly or yearly basis. Proposals must contain a detailed description of the pricing terms and conditions. The price component must be specified per the requirements outlined in Section II-C.

Section 5 – Technical and Operations Description

Respondent shall describe the technical aspects of the proposed generating facility to include:

- Description of technology and configuration
- Summary of the technical specifications
- Major and auxiliary equipment

- Manufacturers of the major equipment
- Typical maintenance required
- Name plate capacity
- Maximum net energy deliveries
- Heat rates (in HHV) and level of efficiency at various output levels (if applicable)
- Communications, control and instrumentation
- Fuel supply
- Expected commercial operation date
- Plans for start-up and testing

Respondent should provide a full explanation addressing the reliability of the facility to meet the monthly energy that Respondent proposes to displace in Attachment E. This should include a description of the major assumptions or inputs that were made when determining the generation output. If the proposed technology is a renewable technology, information about the renewable resource supply should be provided. For example, if the proposed generation is based on wind, the Respondent should describe the wind studies or other sources that were relied upon and expected net generation utilizing Respondent's proposed wind turbines.

Describe major milestones and provide a timeline to build the generating facility. Respondent must identify the major risks that would prevent them from complying with the proposed schedule and provide a discussion on how risk can be mitigated. Please provide the names, if any, of any company that has been selected to participate in building the facility (e.g. engineering, design, construction, major equipment suppliers, major subcontractors, or others).

Describe any innovative features of the generating facility. If innovative technological features are included, describe previous experience implementing the technology and the associated level of risk involved.

Describe how the generating facility will be operated on an on-going basis and any experience Respondent has operating similar type of generating facilities.

Provide an explanation of the plans to procure and likely sources for any major inputs required by the generating facility.

Section 6 – Financing Plan

The financing plan should include the total cost for the project and a breakdown of the proposed debt and equity financing.

A pro forma cash flow model should be provided along with clear identification of sources of funding and major assumptions.

Information should be provided about how the proposed financing will be obtained. If available, a letter of intent, letter of comfort or letter of commitment from any prospective financiers should be included.

Section 7 – Site Characteristics

Provide details of the proposed location and size of land required for the proposed generating facility. Indicate if this site is to be owned or leased. Indicate any progress, if any, which has been made towards securing the site.

Section 8 – Delivery of Power

Specify the point of interconnection to WAPA's electric transmission system. Provide a one-line diagram showing the existing or expected point of interconnection. Describe the status of any transmission system interconnection research and studies already performed, including the expected interconnection point, interconnection voltage, and any interconnection or transmission service requests that have been made. Describe any anticipated upgrades to WAPA's system that are necessary to support the proposed generating facility.

Respondent is responsible for costs associated with interconnecting the generating facility to WAPA's system and also for costs associated with possible upgrades to WAPA system that are necessary to support the proposed solution.

Section 9 – Environmental Compliance Plan

Respondent is solely responsible for acquiring all necessary permits in connection with the proposed solution. Include a description of Respondent's understanding of the environmental laws and regulations that are pertinent to the proposed solution. Describe any existing on-site environmental issues of concern such as site contamination, lack of waste disposal area, species of concern, emissions compliance (if applicable), and any other known environmental issues potentially having a negative impact on the ability to complete the development of the generating facility or meet the obligations of a power purchase agreement.

Describe how the Respondent intends to comply with the environmental laws and regulations described in this section. Provide a schedule showing when all necessary permits and approvals are expected to be obtained.

Section 10 – Other Information

In this section, Respondent may highlight any other expected environmental, social, or economic benefit of the proposed solution or any other information that Respondent deems helpful to WAPA in their evaluation of proposed solution.

In addition, those Respondents who wish to provide an option for WAPA to purchase their facility (a buy-out option), should describe a proposed methodology and terms by which a buy out price can be determined at some point in the future.

Section 11 – Comments and Proposed Additions/Deletions to PPA

Respondent should review the model PPA included as Attachment I and comment on any issues, areas of concerns or objections to the PPA, if any. Such comments should take the form of specific contractual language that Respondent wishes to substitute for the language in the model PPA, and a summary explanation of these proposed changes, rather than taking the form of generic statements of items to be negotiated or discussed. If Respondent has no comments, a statement must be included to that effect.

Respondents are advised that the model PPA is drafted to be used regardless of the proposed technology. Any language that may be specific to certain generating technologies should not be interpreted as implying a pre-disposition to a particular type of solution.

Section 12 – Confidentiality

Respondents must indicate in their proposal what information, if any, is proprietary and confidential. Respondents are hereby advised that WAPA is subject to the Freedom of Information Law (“FOIL”) and further that V.I. Law at 3 V.I.C. Section 881 et seq. provides for certain government records to be public, and therefore subject to examination. Material marked “Confidential and Proprietary” will be treated as such to the extent consistent with WAPA’s legal obligations under local law, FOIL, or other applicable law, regulation or legal process, and will not be discussed by WAPA to third parties, other than WAPA’s consultants who will assist in the evaluation of the proposals.

VI. RFP SCHEDULE AND PROCESS

A. RFP Schedule

Dec 28, 2007		RFP issued
Feb 15, 2008	Issued + 7 wks	Pre-bid conference
Feb 22, 2008	Issued + 8 wks	Deadline for interested Respondents to submit Pre-Qualification Form
Feb 22, 2008	Issued + 8 wks	Deadline to submit questions about the RFP
Mar 7, 2008	Issued + 10 wks	Pre-qualification results announced
May 1, 2008	Issued + 18 wks	Proposals due
Jun 30, 2008	Due + 8 wks	Announcement of RFP results

B. RFP Issued

The RFP and any relevant information about the RFP will be posted on WAPA's website: www.viwapa.vi. Respondents are encouraged to check this website on a regular basis.

C. Pre-Bid Conference

The pre-bid conference will be held at WAPA's offices starting at 10 am AST (Atlantic Standard Time). The conference will be held at:

St. Thomas Subbase Office
8189 Subbase
St. Thomas, U.S. Virgin Islands, USA 00802-5825

Potential Respondents may also participate via phone conference call (no cell phones). The phone number and pass code will be provided closer to the pre-bid conference. Attendance to the pre-bid conference is not required. Registration is not required, however, for planning purposes please indicate if Respondent intends to participate in person or by phone conference. If Respondent intends to participate in person, please indicate so up to three days prior to the Pre-bid conference and also indicate the number of participants who will be attending. This information along with any questions related to the pre-bid conference should be directed to PowerRFP@viwapa.vi.

The pre-bid conference will cover the following: (i) description of the goals of the solicitation, (ii) general instructions for completing the RFP, and (iii) Q&A session.

Copies of hand-outs distributed during the pre-bid conference and a summary of questions and answers asked during the meeting will be posted on WAPA's website.

D. Bidder Pre-Qualification

The Pre-Qualification Form is due by 4:00pm AST on the date indicated in the RFP schedule. The form should be e-mailed to PowerRFP@viwapa.vi

For Pre-Qualification Forms being e-mailed, a signature is still required.

Respondents who are planning to respond to both St. Thomas and St. Croix are only required to submit a single Pre-Qualification form, even though separate bids are required for each location.

The Company Representative listed on the Pre-Qualification Form will be deemed to be the point of contact for all communications about the RFP.

E. Deadline for Questions

All questions regarding the RFP must be submitted via e-mail to PowerRFP@viwapa.vi by 4pm AST on the date indicated in the RFP schedule. Responses will be posted on WAPA's website.

F. Proposal Submittal Deadline

Please send 6 hard copies (1 original plus 5 copies) and 1 copy on CD (in Word or PDF format) of the proposal to the following contact person:

Madeline Stevens-Webster
Purchasing & Contract Manager
Virgin Islands Water and Power Authority – Administrative Office
St. Thomas Subbase Office
8189 Subbase
St. Thomas, U.S. Virgin Islands, USA 00802-5825
Tel: 340-774-3552 ext. 2038

The response must be received at the above address no later than 4:00 p.m. AST, on the date indicated in the RFP schedule. WAPA will not accept proposals received after this deadline. Each proposal must be clearly marked "Proposal to Provide Electric Energy to (insert either St. Thomas or St. Croix)."

Format and information required must follow the guidelines specified in Section V. Failure to follow these guidelines will result in the proposal being deemed non-conforming and may result in disqualification.

Note: Some couriers require that an international airbill be used when shipping to the Virgin Islands.

VII. GENERAL TERMS AND CONDITIONS

This RFP in its entirety is qualified by the following general terms and conditions:

All costs and expenses associated with developing and/or submitting a proposal in response to this RFP and/or any related activity following the submission of any such proposal shall be borne by the Respondent. While WAPA has endeavored to supply useful information in this RFP, WAPA makes no representation or warranty, express or implied, as to the accuracy or completeness of any information contained herein or otherwise provided to any Respondent by or on behalf of WAPA. WAPA shall have no liability relating to or arising from any such information or the use thereof. Respondents are encouraged to conduct their own investigation and analysis of any and all information contained herein or otherwise provided by or on behalf of WAPA. This RFP is not an offer or commitment and is not capable of being accepted to form a binding agreement. WAPA reserves the right, in its sole discretion, to withdraw or modify this RFP at any time, to accept or reject any or all proposals for any reason, to waive any irregularities or informalities in the proposal process or any nonconformance with the requirements of this RFP, and to enter into further discussion or interviews with any one or more Respondents.

Respondent shall be responsible for complying with all laws, rules, regulations and guidelines issued by the U.S. Environmental Protection Agency ("EPA"), the Virgin Islands Department of Planning and Natural Resources ("DPNR"), and any other Federal or local regulatory agencies with regard to the discharge or spilling of oil, petroleum products, or other hazardous materials during the performance of the Agreements. Respondent shall also become familiar with and adhere to the policies and practices of WAPA regarding the discharge, release, or spilling of oil, petroleum products and other hazardous materials. Respondent under the Agreements will be required to indemnify WAPA for any and all fines or penalties assessed against WAPA as a result of Respondent's failure to adhere to EPA, OSHA, and DPNR and any other Federal or Territorial regulation and directives, and shall further pay all costs, expenses and attorney's fees, in connection therewith. Additionally, Respondent will be required to indemnify WAPA for the cost of cleaning up all spills and discharges. Respondents will be responsible for obtaining all applicable governmental approvals required under applicable laws and regulations.

Respondent, if awarded a contract, may be subject to gross receipt taxes and/or import or excise taxes due to the geographical location of the U.S. Virgin Islands. Respondent is advised to contact the Virgin Islands Bureau of Internal Revenue,

(340) 774-5865, to inquire. Neither WAPA nor its employees or representatives shall be bound by, responsible for, or liable due to any inquiries or representations regarding the Respondent's tax liability.

The consideration identified by Respondent as the price to be paid under the Agreement for electric energy, shall be the total consideration to be paid for all Products provided by the Bidder pursuant to the applicable Agreement. Payment of any taxes, customs, and duties, gross receipts, excise or other fees shall be the sole responsibility of the Respondent. WAPA shall not be responsible for in any way for any taxes such as customs and duties, excise, gross receipts, or other taxes or fees.

ATTACHMENT A – Pre-qualification form

I. Company Contact for this RFP: (Separate information should be provided for each member on any proposed consortium or partnership)

Name _____
Title _____
Phone _____
E-Mail _____

II. Company Information:

The objective of this section is to provide background information about bidder's company.

1. Please provide a general description of your company to include: a) legal company name and parent affiliate, if any, b) address, c) federal tax ID #, d) corporate business structure including year incorporated/ established, e) jurisdiction in which company is established, and f) company web site

III. Qualifications:

The objective of this section is to demonstrate Respondent's experience designing, constructing and operating generating facilities similar to the one that will be proposed to WAPA. Respondents who are proposing new technologies (e.g. OTEC, wave) must demonstrate relevant experience that will ensure WAPA that they can successfully build, finance and operate the proposed solution. WAPA may require additional information to assess qualifications of Respondents proposing new technologies.

2. Please describe your company's experience and qualifications: a) designing and constructing generating facilities similar to the one that will be proposed for WAPA, b) operating and maintaining power generation facilities, c) financing similar type of projects, and d) contracting to sell and deliver energy
3. Describe three energy projects were bidder was the lead developer and/or bidder has a long-term PPA to supply energy.
4. Provide no less than three relevant references.

IV. Financial Capability:

The objective of this section is to provide WAPA with assurance that the bidder has financial capability to undertake the proposed project.

- 5. Provide a description of Respondent’s financial capability, a description of any proposed project financing, and the ability to obtain the necessary financing for this project.
- 6. Please provide audited financial statements for the past three years, including notes to these statements.
- 7. Please provide any additional materials that you feel will help convey financial capability. For example, credit ratings, parent guarantees, letters of credit or other credit support the bidder will provide.

V. Proposed Technology:

The objective of this section is to ensure that only non-oil based solutions are proposed. WAPA may require additional information to assess validity of new technologies.

- 8. Provide a description of the type of technology being considered. If proposed technology is new, explain how Respondent intends to mitigate the risk of using new technology (e.g. one example would be to provide a performance bond).

VI. Certification:

Respondent understands that the Virgin Islands Water and Power Authority (“WAPA”) will rely on the representations contained in this agreement in its evaluation and consideration of proposals submitted pursuant to the RFP.

Official Signature: _____
Name _____
Title _____
Date _____

ATTACHMENT B – Maximum amount of electricity that can be displaced

Table 1. Maximum amount of electricity that can be displaced – PEAK HOURS ⁽¹⁾ (MWh) – St. Thomas

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2008	10,101	9,553	10,162	10,787	11,778	12,056	12,688	11,505	11,696	12,272	10,519	11,435	134,553
2009	9,698	9,208	10,587	10,827	11,291	12,546	12,715	11,423	11,745	11,751	11,042	11,437	134,271
2010	9,576	9,416	11,287	11,152	11,597	12,773	12,551	12,271	12,022	11,557	11,827	11,707	137,737
2011	9,834	9,712	11,553	10,942	12,449	13,148	12,373	13,027	12,313	11,845	12,132	11,516	140,844
2012	10,581	9,714	11,427	11,268	13,144	12,915	13,112	13,492	11,633	13,187	12,416	11,339	144,228
2013	11,295	10,299	11,276	12,023	13,478	12,699	13,997	13,262	12,436	13,570	12,169	12,166	148,670
2014	11,614	10,600	11,594	12,296	13,347	13,604	14,352	13,019	13,260	13,910	11,934	13,022	152,553
2015	11,443	10,823	12,397	12,654	13,106	14,501	14,728	13,248	13,640	13,647	12,838	13,356	156,382
2016	11,275	10,777	13,169	12,442	14,082	14,824	13,962	14,735	13,937	13,401	13,744	13,090	159,440
2017	12,097	11,392	13,454	12,187	15,032	15,159	14,299	15,076	13,663	14,353	14,098	12,833	163,643
2018	12,828	11,694	13,321	13,103	15,214	14,872	15,131	15,587	13,447	15,259	14,384	13,180	168,019
2019	13,226	12,014	13,111	13,960	15,572	14,592	16,129	15,292	14,357	15,670	14,070	14,114	172,108
2020	13,568	11,490	14,026	14,298	14,739	16,260	16,541	14,890	15,346	15,353	14,453	15,082	176,046
2021	12,791	12,518	14,922	14,678	15,097	16,528	16,277	15,954	15,671	15,052	15,445	15,399	180,332
2022	13,099	12,870	15,238	14,362	16,171	16,967	15,994	16,920	16,015	15,392	15,809	15,107	183,943
2023	14,042	13,189	15,547	14,043	17,242	17,330	16,359	17,290	15,676	16,465	16,191	14,786	188,158
2024	14,873	13,256	14,741	15,682	17,431	16,273	18,022	17,095	16,063	17,535	15,758	15,845	192,573
2025	15,306	13,880	15,105	15,994	17,194	17,397	18,430	16,730	17,094	17,926	15,401	16,912	197,369
2026	15,021	14,135	16,112	16,404	16,830	18,511	18,861	16,992	17,529	17,537	16,522	17,293	201,747
2027	14,738	14,398	17,123	16,812	17,216	18,800	18,531	18,184	17,880	17,168	17,637	17,635	206,122
2028	15,066	15,514	17,407	15,693	19,207	19,264	18,193	19,258	17,467	18,343	18,050	16,519	209,981
2029	16,690	15,127	17,162	16,824	19,410	18,840	19,226	19,835	17,125	19,461	18,373	16,911	214,984
2030	17,140	15,489	16,828	17,886	19,813	18,425	20,446	19,403	18,247	19,924	17,923	18,062	219,588

Table 2. Maximum amount of electricity that can be displaced – OFFPEAK HOURS (MWh) – St. Thomas

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2008	4,821	3,896	6,457	6,226	7,669	7,786	7,324	7,942	6,449	7,175	7,626	6,315	79,687
2009	5,224	5,200	6,032	6,187	8,156	7,295	7,298	8,024	6,400	7,696	7,103	6,314	80,929
2010	5,867	5,475	5,873	6,397	8,425	7,636	8,042	7,750	6,671	8,464	6,866	6,597	84,063
2011	6,131	5,660	6,149	7,141	8,146	7,829	8,801	7,568	6,928	8,751	7,109	7,343	87,556
2012	5,929	5,203	6,840	7,374	8,052	8,655	8,669	7,704	8,181	8,009	7,397	8,099	90,112
2013	5,776	6,095	7,573	7,194	8,335	9,482	8,410	8,551	7,967	8,244	8,234	7,869	93,730
2014	6,018	6,313	7,838	7,496	9,084	9,187	8,679	9,412	7,732	8,521	9,058	7,610	96,947
2015	6,758	6,615	7,625	7,721	9,952	8,910	8,937	9,810	7,949	9,411	8,751	7,881	100,318
2016	7,503	6,234	7,451	8,524	9,611	9,215	10,345	8,958	8,258	10,291	8,451	8,759	103,600
2017	7,258	7,112	7,766	9,371	9,296	9,507	10,651	9,251	9,138	9,975	8,703	9,630	107,657
2018	7,118	7,358	8,513	9,063	9,767	10,440	10,478	9,393	9,977	9,721	9,040	9,913	110,782
2019	7,321	7,593	9,346	8,820	10,070	11,373	10,149	10,349	9,698	9,971	9,985	9,617	114,292
2020	7,579	7,711	9,055	9,098	11,564	10,358	10,406	11,413	9,340	10,950	10,232	9,288	116,993
2021	8,965	8,205	8,790	9,343	11,876	10,753	11,348	11,019	9,653	11,920	9,879	9,617	121,368
2022	9,281	8,430	9,122	10,298	11,489	10,993	12,326	10,740	9,965	12,268	10,171	10,574	125,657
2023	8,963	8,687	9,461	11,257	11,105	11,309	12,657	11,058	10,960	11,883	10,444	11,558	129,342
2024	8,763	8,245	10,923	10,266	11,612	13,055	11,697	11,949	11,237	11,508	11,541	11,170	131,967
2025	8,969	9,172	11,223	10,610	12,554	12,627	12,002	13,018	10,878	11,822	12,571	10,784	136,230
2026	9,902	9,516	10,889	10,864	13,631	12,218	12,293	13,470	11,124	12,924	12,130	11,092	140,053
2027	10,841	9,859	10,558	11,128	13,968	12,642	13,353	12,999	11,462	14,015	11,705	11,447	143,978
2028	11,177	9,355	10,963	12,928	12,707	12,902	14,430	12,657	12,572	13,571	11,989	13,269	148,520
2029	10,225	10,363	11,905	12,486	13,244	14,057	14,146	12,819	13,619	13,193	12,371	13,590	152,016
2030	10,454	10,628	12,944	12,119	13,588	15,211	13,681	13,998	13,210	13,478	13,536	13,161	156,009

Notes:

1. The energy amounts on Tables 1 through 6 are estimates based on last year's hourly load shape and estimated future load growth.
2. On-peak hours from 7am-11pm Monday-Friday, off peak hours are those remaining (nights and weekends).
3. These tables will be provided as Excel spreadsheets.

Table 3. Maximum amount of electricity that can be displaced – PEAK HOURS (MWh) – St. Croix

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2008	6,074	5,613	6,079	6,979	7,414	7,118	7,593	7,040	7,516	7,288	6,023	6,409	81,147
2009	5,546	5,155	6,094	6,714	6,867	7,153	7,326	6,751	7,279	6,717	6,080	6,148	77,829
2010	5,369	5,199	6,403	6,795	6,938	7,180	7,139	7,135	7,346	6,485	6,439	6,193	78,621
2011	5,429	5,286	6,457	6,582	7,316	7,251	6,920	7,520	7,420	6,562	6,506	6,030	79,278
2012	5,687	5,235	6,301	6,664	7,692	7,049	7,250	7,612	6,894	7,246	6,558	5,846	80,034
2013	6,111	5,399	6,124	7,008	7,765	6,831	7,638	7,380	7,258	7,345	6,345	6,176	81,381
2014	6,192	5,471	6,189	7,099	7,537	7,236	7,720	7,158	7,640	7,413	6,130	6,528	82,311
2015	5,975	5,548	6,538	7,176	7,322	7,626	7,818	7,203	7,758	7,181	6,511	6,604	83,260
2016	5,785	5,460	6,850	6,958	7,720	7,655	7,305	7,940	7,827	6,937	6,891	6,403	83,731
2017	6,052	5,721	6,900	6,761	8,084	7,811	7,383	8,019	7,574	7,346	6,983	6,204	84,838
2018	6,466	5,730	6,760	7,121	8,205	7,519	7,738	8,123	7,347	7,745	7,024	6,279	86,058
2019	6,576	5,808	6,566	7,490	8,282	7,284	8,152	7,873	7,735	7,849	6,795	6,633	87,043
2020	6,658	5,454	6,923	7,577	7,717	8,041	8,246	7,595	8,174	7,581	6,886	7,002	87,853
2021	6,144	5,940	7,279	7,670	7,799	8,075	8,033	8,030	8,253	7,322	7,294	7,056	88,896
2022	6,210	6,035	7,340	7,426	8,224	8,154	7,784	8,462	8,334	7,406	7,369	6,866	89,609
2023	6,507	6,140	7,393	7,212	8,612	8,319	7,865	8,546	8,063	7,841	7,465	6,650	90,611
2024	6,937	6,022	6,942	7,898	8,720	7,666	8,586	8,291	8,140	8,277	7,176	7,019	91,676
2025	7,058	6,229	7,010	7,993	8,456	8,116	8,672	8,033	8,565	8,348	6,925	7,413	92,817
2026	6,805	6,310	7,400	8,074	8,206	8,551	8,775	8,081	8,689	8,079	7,350	7,494	93,814
2027	6,587	6,365	7,781	8,172	8,292	8,588	8,546	8,542	8,772	7,801	7,784	7,550	94,781
2028	6,650	6,942	7,807	7,591	9,057	8,746	8,271	8,989	8,473	8,255	7,872	7,026	95,679
2029	7,349	6,506	7,638	7,998	9,188	8,419	8,672	9,101	8,213	8,701	7,918	7,109	96,814
2030	7,468	6,586	7,411	8,408	9,268	8,144	9,129	8,813	8,645	8,812	7,652	7,502	97,838

Table 4. Maximum amount of electricity that can be displaced – OFFPEAK HOURS (MWh) – St. Croix

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2008	3,458	2,982	4,521	4,577	5,323	5,506	5,144	5,696	4,752	4,736	4,821	3,835	55,352
2009	3,519	3,609	4,023	4,353	5,351	4,965	4,892	5,466	4,489	4,800	4,286	3,618	53,371
2010	3,823	3,682	3,845	4,404	5,421	5,075	5,220	5,223	4,557	5,170	4,057	3,703	54,179
2011	3,897	3,720	3,930	4,759	5,192	5,150	5,588	4,988	4,628	5,239	4,127	4,003	55,222
2012	3,774	3,295	4,226	4,818	4,966	5,498	5,407	5,046	5,297	4,701	4,214	4,325	55,566
2013	3,493	3,862	4,550	4,623	5,051	5,871	5,178	5,436	5,087	4,757	4,571	4,141	56,620
2014	3,553	3,921	4,633	4,682	5,438	5,621	5,255	5,817	4,858	4,843	4,933	3,935	57,489
2015	3,912	3,976	4,431	4,754	5,811	5,385	5,315	5,929	4,893	5,231	4,697	4,004	58,338
2016	4,245	3,595	4,266	5,121	5,571	5,511	5,986	5,352	4,977	5,630	4,463	4,351	59,069
2017	4,120	4,066	4,364	5,468	5,366	5,510	6,067	5,430	5,383	5,375	4,517	4,696	60,362
2018	3,849	4,188	4,652	5,257	5,403	5,957	5,870	5,485	5,763	5,131	4,622	4,766	60,942
2019	3,888	4,249	5,001	5,046	5,493	6,355	5,624	5,903	5,537	5,191	5,005	4,567	61,858
2020	3,948	4,134	4,793	5,108	6,217	5,753	5,688	6,339	5,251	5,613	5,060	4,343	62,247
2021	4,605	4,379	4,584	5,164	6,293	5,874	6,059	6,062	5,324	6,027	4,797	4,436	63,604
2022	4,689	4,424	4,679	5,566	6,035	5,958	6,476	5,797	5,405	6,107	4,877	4,780	64,792
2023	4,542	4,456	4,782	5,938	5,815	5,957	6,561	5,881	5,838	5,835	4,934	5,150	65,688
2024	4,254	4,106	5,380	5,401	5,864	6,764	5,999	6,294	5,914	5,554	5,369	4,926	65,825
2025	4,283	4,638	5,468	5,464	6,296	6,478	6,080	6,719	5,650	5,646	5,774	4,686	67,183
2026	4,686	4,696	5,234	5,540	6,713	6,206	6,144	6,839	5,687	6,078	5,503	4,759	68,086
2027	5,054	4,780	5,009	5,600	6,794	6,333	6,541	6,544	5,766	6,520	5,222	4,857	69,019
2028	5,141	4,341	5,139	6,339	6,197	6,338	6,983	6,265	6,226	6,229	5,289	5,535	70,021
2029	4,600	4,923	5,471	6,098	6,242	6,837	6,757	6,329	6,656	5,955	5,404	5,614	70,886
2030	4,632	4,982	5,854	5,845	6,329	7,276	6,468	6,784	6,386	6,008	5,825	5,375	71,762

Notes:

1. The energy amounts on Tables 1 through 6 are estimates based on last year's hourly load shape and estimated future load growth.
2. On-peak hours from 7am-11pm Monday-Friday, off peak hours are those remaining (nights and weekends).
3. These tables will be provided as Excel spreadsheets.

ATTACHMENT C – Average energy that can be delivered at any given hour

Table 5. Average amount of electricity that can be delivered at any given hour during the month for St. Thomas (MW)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
2008	20.1	19.3	22.3	23.6	26.1	27.6	26.9	26.1	25.2	26.1	25.2	23.9	24.4
2009	20.1	21.4	22.3	23.6	26.1	27.6	26.9	26.1	25.2	26.1	25.2	23.9	24.6
2010	20.8	22.2	23.1	24.4	26.9	28.3	27.7	26.9	26.0	26.9	26.0	24.6	25.3
2011	21.5	22.9	23.8	25.1	27.7	29.1	28.5	27.7	26.7	27.7	26.7	25.3	26.1
2012	22.2	21.4	24.6	25.9	28.5	30.0	29.3	28.5	27.5	28.5	27.5	26.1	26.7
2013	22.9	24.4	25.3	26.7	29.3	30.8	30.1	29.3	28.3	29.3	28.3	26.9	27.7
2014	23.7	25.2	26.1	27.5	30.1	31.7	31.0	30.1	29.2	30.1	29.2	27.7	28.5
2015	24.5	25.9	26.9	28.3	31.0	32.5	31.8	31.0	30.0	31.0	30.0	28.5	29.3
2016	25.2	24.4	27.7	29.1	31.8	33.4	32.7	31.8	30.8	31.8	30.8	29.4	29.9
2017	26.0	27.5	28.5	29.9	32.7	34.3	33.5	32.7	31.7	32.7	31.7	30.2	31.0
2018	26.8	28.4	29.3	30.8	33.6	35.2	34.4	33.6	32.5	33.6	32.5	31.0	31.8
2019	27.6	29.2	30.2	31.6	34.5	36.1	35.3	34.5	33.4	34.5	33.4	31.9	32.7
2020	28.4	27.6	31.0	32.5	35.4	37.0	36.2	35.4	34.3	35.4	34.3	32.8	33.4
2021	29.2	30.8	31.9	33.4	36.3	37.9	37.1	36.3	35.2	36.3	35.2	33.6	34.4
2022	30.1	31.7	32.7	34.3	37.2	38.8	38.1	37.2	36.1	37.2	36.1	34.5	35.3
2023	30.9	32.6	33.6	35.1	38.1	39.8	39.0	38.1	37.0	38.1	37.0	35.4	36.2
2024	31.8	30.9	34.5	36.0	39.0	40.7	39.9	39.0	37.9	39.0	37.9	36.3	36.9
2025	32.6	34.3	35.4	36.9	40.0	41.7	40.9	40.0	38.8	40.0	38.8	37.2	38.1
2026	33.5	35.2	36.3	37.9	40.9	42.7	41.9	40.9	39.8	40.9	39.8	38.2	39.0
2027	34.4	36.1	37.2	38.8	41.9	43.7	42.9	41.9	40.8	41.9	40.8	39.1	40.0
2028	35.3	34.4	38.1	39.8	42.9	44.7	43.8	42.9	41.7	42.9	41.7	40.0	40.7
2029	36.2	37.9	39.1	40.7	43.9	45.7	44.9	43.9	42.7	43.9	42.7	41.0	41.9
2030	37.1	38.9	40.0	41.7	44.9	46.7	45.9	44.9	43.7	44.9	43.7	42.0	42.9

Table 6. Average amount of electricity that can be delivered at any given hour during the month for St. Croix (MW)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
2008	12.8	12.3	14.2	16.1	17.1	17.5	17.1	17.1	17.0	16.2	15.1	13.8	15.5
2009	12.2	13.0	13.6	15.4	16.4	16.8	16.4	16.4	16.3	15.5	14.4	13.1	15.0
2010	12.4	13.2	13.8	15.6	16.6	17.0	16.6	16.6	16.5	15.7	14.6	13.3	15.2
2011	12.5	13.4	14.0	15.8	16.8	17.2	16.8	16.8	16.7	15.9	14.8	13.5	15.4
2012	12.7	12.3	14.1	15.9	17.0	17.4	17.0	17.0	16.9	16.1	15.0	13.7	15.4
2013	12.9	13.8	14.3	16.2	17.2	17.6	17.2	17.2	17.1	16.3	15.2	13.9	15.8
2014	13.1	14.0	14.5	16.4	17.4	17.9	17.4	17.4	17.4	16.5	15.4	14.1	16.0
2015	13.3	14.2	14.7	16.6	17.7	18.1	17.7	17.7	17.6	16.7	15.6	14.3	16.2
2016	13.5	13.0	14.9	16.8	17.9	18.3	17.9	17.9	17.8	16.9	15.8	14.5	16.3
2017	13.7	14.6	15.1	17.0	18.1	18.5	18.1	18.1	18.0	17.1	16.0	14.7	16.6
2018	13.9	14.8	15.3	17.2	18.3	18.7	18.3	18.3	18.2	17.3	16.2	14.8	16.8
2019	14.1	15.0	15.5	17.4	18.5	18.9	18.5	18.5	18.4	17.5	16.4	15.1	17.0
2020	14.3	13.8	15.7	17.6	18.7	19.2	18.7	18.7	18.6	17.7	16.6	15.2	17.1
2021	14.4	15.4	15.9	17.8	18.9	19.4	18.9	18.9	18.9	17.9	16.8	15.4	17.4
2022	14.6	15.6	16.2	18.0	19.2	19.6	19.2	19.2	19.1	18.2	17.0	15.7	17.6
2023	14.9	15.8	16.4	18.3	19.4	19.8	19.4	19.4	19.3	18.4	17.2	15.9	17.8
2024	15.0	14.6	16.6	18.5	19.6	20.0	19.6	19.6	19.5	18.6	17.4	16.1	17.9
2025	15.2	16.2	16.8	18.7	19.8	20.3	19.8	19.8	19.7	18.8	17.6	16.3	18.3
2026	15.4	16.4	17.0	18.9	20.1	20.5	20.1	20.1	20.0	19.0	17.9	16.5	18.5
2027	15.6	16.6	17.2	19.1	20.3	20.7	20.3	20.3	20.2	19.2	18.1	16.7	18.7
2028	15.8	15.3	17.4	19.3	20.5	21.0	20.5	20.5	20.4	19.5	18.3	16.9	18.8
2029	16.1	17.0	17.6	19.6	20.7	21.2	20.7	20.7	20.7	19.7	18.5	17.1	19.1
2030	16.3	17.2	17.8	19.8	21.0	21.4	21.0	21.0	20.9	19.9	18.7	17.3	19.4

Notes:

1. The energy amounts on Tables 1 through 6 are estimates based on last year's hourly load shape and estimated future load growth.
2. The energy amounts on Tables 5 and 6 are average amounts over the month. The actual amount of energy that can be displaced in any specific hour can be significantly higher or lower, and can be zero in certain hours.
3. These tables will be provided as Excel spreadsheets.

ATTACHMENT D – Projected energy costs for maximum energy that can be displaced

Table 7. Projected Energy Costs for St. Thomas (\$/MWh) – On Peak hours

	Annual Avg Projected Cost (\$/MWh)	Average Fuel Mix of Projected Generation		Implied Fuel Price (\$/MMBtu)	Annual Avg Projected Heat Rate (Btu/kWh)
		Fuel Oil 2	Fuel Oil 6		
2008	143.9	55%	45%	12.63	11,395
2009	147.5	55%	45%	12.92	11,418
2010	150.6	52%	48%	13.14	11,459
2011	149.6	53%	47%	12.94	11,562
2012	147.2	53%	47%	12.72	11,574
2013	146.1	52%	48%	12.48	11,704
2014	144.1	51%	49%	12.26	11,750
2015	142.3	52%	48%	12.07	11,789
2016	148.6	50%	50%	12.52	11,869
2017	154.6	49%	51%	12.99	11,906
2018	161.2	48%	52%	13.48	11,960
2019	167.8	48%	52%	14.00	11,987
2020	174.8	49%	51%	14.55	12,014
2021	181.7	48%	52%	15.07	12,054
2022	188.1	47%	53%	15.61	12,048
2023	195.0	46%	54%	16.16	12,070
2024	201.5	46%	54%	16.75	12,030
2025	209.6	47%	53%	17.37	12,064
2026	216.4	47%	53%	17.95	12,057
2027	222.5	47%	53%	18.55	11,990
2028	231.3	44%	56%	19.13	12,094
2029	237.6	44%	56%	19.77	12,019
2030	242.1	44%	56%	20.42	11,855

Table 8. Projected Energy Costs for St. Thomas (\$/MWh) – Off Peak hours

	Annual Avg Projected Cost (\$/MWh)	Average Fuel Mix of Projected Generation		Implied Fuel Price (\$/MMBtu)	Annual Avg Projected Heat Rate (Btu/kWh)
		Fuel Oil 2	Fuel Oil 6		
2008	126.3	52%	48%	12.58	10,041
2009	130.5	55%	45%	12.91	10,108
2010	133.1	52%	48%	13.15	10,126
2011	132.6	52%	48%	12.91	10,268
2012	130.8	51%	49%	12.68	10,311
2013	130.9	54%	46%	12.53	10,447
2014	128.8	53%	47%	12.30	10,467
2015	127.9	54%	46%	12.11	10,566
2016	133.7	57%	43%	12.62	10,595
2017	140.7	56%	44%	13.09	10,748
2018	147.8	56%	44%	13.59	10,873
2019	155.5	56%	44%	14.12	11,011
2020	162.2	58%	42%	14.69	11,046
2021	170.1	59%	41%	15.22	11,178
2022	177.6	59%	41%	15.76	11,265
2023	184.5	58%	42%	16.30	11,317
2024	192.0	57%	43%	16.87	11,378
2025	201.1	58%	42%	17.49	11,501
2026	208.9	56%	44%	18.06	11,568
2027	215.2	54%	46%	18.64	11,548
2028	224.5	55%	45%	19.27	11,651
2029	231.8	53%	47%	19.89	11,655
2030	235.0	53%	47%	20.56	11,432

Table 9. Projected Energy Costs for St. Croix (\$/MWh) – On Peak hours

	Annual Avg Projected Cost (\$/MWh)	Average Fuel Mix of Projected Generation		Implied Fuel Price (\$/MMBtu)	Annual Avg Projected Heat Rate (Btu/kWh)
		Fuel Oil 2	Fuel Oil 6		
2008	137.4	100%	0%	13.52	10,161
2009	141.5	100%	0%	13.92	10,165
2010	145.3	100%	0%	14.32	10,147
2011	141.9	99%	1%	13.98	10,153
2012	138.9	100%	0%	13.68	10,157
2013	136.0	99%	1%	13.36	10,185
2014	132.4	99%	1%	13.06	10,139
2015	129.5	100%	0%	12.77	10,143
2016	134.2	100%	0%	13.23	10,139
2017	138.8	100%	0%	13.72	10,115
2018	143.8	100%	0%	14.22	10,115
2019	149.0	99%	1%	14.73	10,112
2020	153.7	100%	0%	15.28	10,057
2021	158.9	100%	0%	15.78	10,073
2022	164.2	100%	0%	16.29	10,080
2023	169.6	100%	0%	16.82	10,088
2024	174.6	100%	0%	17.36	10,060
2025	180.5	100%	0%	17.92	10,071
2026	187.5	100%	0%	18.54	10,114
2027	194.1	100%	0%	19.18	10,122
2028	200.0	99%	1%	19.83	10,087
2029	208.7	99%	1%	20.51	10,177
2030	215.5	99%	1%	21.22	10,156

Table 10. Projected Energy Costs for St. Croix (\$/MWh) – Off Peak hours

	Annual Avg Projected Cost (\$/MWh)	Average Fuel Mix of Projected Generation		Implied Fuel Price (\$/MMBtu)	Annual Avg Projected Heat Rate (Btu/kWh)
		Fuel Oil 2	Fuel Oil 6		
2008	142.0	100%	0%	13.52	10,506
2009	147.4	100%	0%	13.92	10,592
2010	151.2	100%	0%	14.32	10,555
2011	147.4	100%	0%	13.99	10,531
2012	144.2	100%	0%	13.68	10,537
2013	140.8	100%	0%	13.36	10,532
2014	137.3	100%	0%	13.06	10,513
2015	134.1	100%	0%	12.77	10,507
2016	139.2	100%	0%	13.23	10,516
2017	143.8	100%	0%	13.72	10,481
2018	148.9	100%	0%	14.22	10,472
2019	153.7	100%	0%	14.74	10,426
2020	160.1	100%	0%	15.28	10,468
2021	164.7	100%	0%	15.78	10,443
2022	169.7	100%	0%	16.29	10,420
2023	174.8	100%	0%	16.82	10,397
2024	180.5	100%	0%	17.36	10,396
2025	186.4	100%	0%	17.92	10,400
2026	192.6	100%	0%	18.54	10,386
2027	198.7	100%	0%	19.18	10,362
2028	204.6	100%	0%	19.84	10,311
2029	213.3	100%	0%	20.52	10,395
2030	217.5	100%	0%	21.23	10,245

Notes:

1. The costs and heat rates shown on Tables 7 through Table 10 are estimates applicable to the supply of the full amount of energy shown in each off-peak and on-peak period as shown on Table 1 through Table 4. These projected energy cost rates assume supply of all energy above minimum levels

required for the basic operating configurations on each island and therefore assume supply of more energy on-peak than off-peak, according to the schedule shown on Table 1 through Table 4. To the extent the supplier is proposing to supply less than the total amount of displaceable energy, the applicable costs and heat rates could be different, and will likely be lower.

2. Projected energy costs and heat rates are based on the assumption that WAPA will continue to supply steam to desalination plants at existing levels.
3. It is assumed that the plant must be capable of handling the steam and electrical demand over a full range of demand with the largest unit down for maintenance concurrent with the trip of the next largest unit. This generally requires that two steam generating sources be kept on line and combustion turbines are loaded to no greater than 80 percent maximum rating.
4. It is assumed that the new HRSG is on-line on the St. Croix system.
5. No additions or retirements are assumed for St. Thomas or St. Croix production plant and all existing units are operable.
6. Oil price projected from WAPA's current cost and escalated by the percent yearly change in EIA's Annual Energy Outlook for 2007.
7. These tables will be provided as Excel spreadsheets.

ATTACHMENT E – Amount of electricity respondent guarantees to displace

Note: These templates will be provided as Excel spreadsheets.

RESPONDENT NAME: _____

Response instructions:

- 1 Enter the proposed energy quantity that bidder will displace for either St. Thomas, St. Croix, or both islands.
- 2 Indicate the actual year "Year 1" will be. (e.g. 2009)

ST THOMAS - PEAK HOURS (MWh)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Year 1 = _____													
Year 2													
Year 3													
Year 4													
Year 5													
Year 6													
Year 7													
Year 8													
Year 9													
Year 10													
Year 11													
Year 12													
Year 13													
Year 14													
Year 15													
Year 16													
Year 17													
Year 18													
Year 19													
Year 20													

ST THOMAS - OFFPEAK HOURS (MWh)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Year 1 = _____													
Year 2													
Year 3													
Year 4													
Year 5													
Year 6													
Year 7													
Year 8													
Year 9													
Year 10													
Year 11													
Year 12													
Year 13													
Year 14													
Year 15													
Year 16													
Year 17													
Year 18													
Year 19													
Year 20													

ST CROIX - PEAK HOURS (MWh)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Year 1 = _____													
Year 2													
Year 3													
Year 4													
Year 5													
Year 6													
Year 7													
Year 8													
Year 9													
Year 10													
Year 11													
Year 12													
Year 13													
Year 14													
Year 15													
Year 16													
Year 17													
Year 18													
Year 19													
Year 20													

ST CROIX - OFFPEAK HOURS (MWh)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Year 1 = _____													
Year 2													
Year 3													
Year 4													
Year 5													
Year 6													
Year 7													
Year 8													
Year 9													
Year 10													
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Year 18													
Year 19													
Year 20													

ATTACHMENT F – Price proposal

Note: These templates will be provided as Excel spreadsheets.

RESPONDENT NAME: _____

Response instructions:

- 1 Enter the proposed price corresponding to the energy to be displaced in Attachment E.
- 2 Respondent has a choice of entering price on a monthly or yearly basis.
- 3 Respondent has a choice of providing a different price for peak and off-peak.
- 4 Respondent has the option to index prices to a well publicized inflation index. If so, clearly explain indexing assumption.
- 5 Indicate the actual year "Year 1" will be. (e.g. 2009)

ST THOMAS - PEAK HOURS (\$/MWh)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Year 1 = _____													
Year 2													
Year 3													
Year 4													
Year 5													
Year 6													
Year 7													
Year 8													
Year 9													
Year 10													
Year 11													
Year 12													
Year 13													
Year 14													
Year 15													
Year 16													
Year 17													
Year 18													
Year 19													
Year 20													

ST THOMAS - OFFPEAK HOURS (\$/MWh)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Year 1 = _____													
Year 2													
Year 3													
Year 4													
Year 5													
Year 6													
Year 7													
Year 8													
Year 9													
Year 10													
Year 11													
Year 12													
Year 13													
Year 14													
Year 15													
Year 16													
Year 17													
Year 18													
Year 19													
Year 20													

ST CROIX - PEAK HOURS (\$/MWh)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Year 1 = _____													
Year 2													
Year 3													
Year 4													
Year 5													
Year 6													
Year 7													
Year 8													
Year 9													
Year 10													
Year 11													
Year 12													
Year 13													
Year 14													
Year 15													
Year 16													
Year 17													
Year 18													
Year 19													
Year 20													

ST CROIX - OFFPEAK HOURS (\$/MWh)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Year 1 = _____													
Year 2													
Year 3													
Year 4													
Year 5													
Year 6													
Year 7													
Year 8													
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Year 18													
Year 19													
Year 20													

ATTACHMENT G – Criteria for pre-qualification and for non price evaluation

Criteria for Pre-qualification (Respondent must PASS all to pre-qualify)

	Pass/Fail	Comment
Company Information:		
Company or affiliated parents established for more than three years.		
Qualifications:¹		
Respondent has demonstrable experience designing and constructing generating facilities similar to the one being proposed		
Respondent has demonstrable experience operating generating facilities similar to the one being proposed		
Respondent has demonstrable experience financing generating facilities similar to the one being proposed		
Respondent provided three credible references. References provide positive feedback.		
Financial Capability:		
Respondent provided sufficient assurance to demonstrate that they can obtain the necessary financing for the project.		
Respondent or affiliated parent companies provided audited financial statements for past three years, or an acceptable alternative.		
Proposed Technology:		
Respondent is proposing a non-oil based solution		
Solution is commercially proven. If new technology, Respondent has provided valid proof that they can mitigate the risk of new technology.		

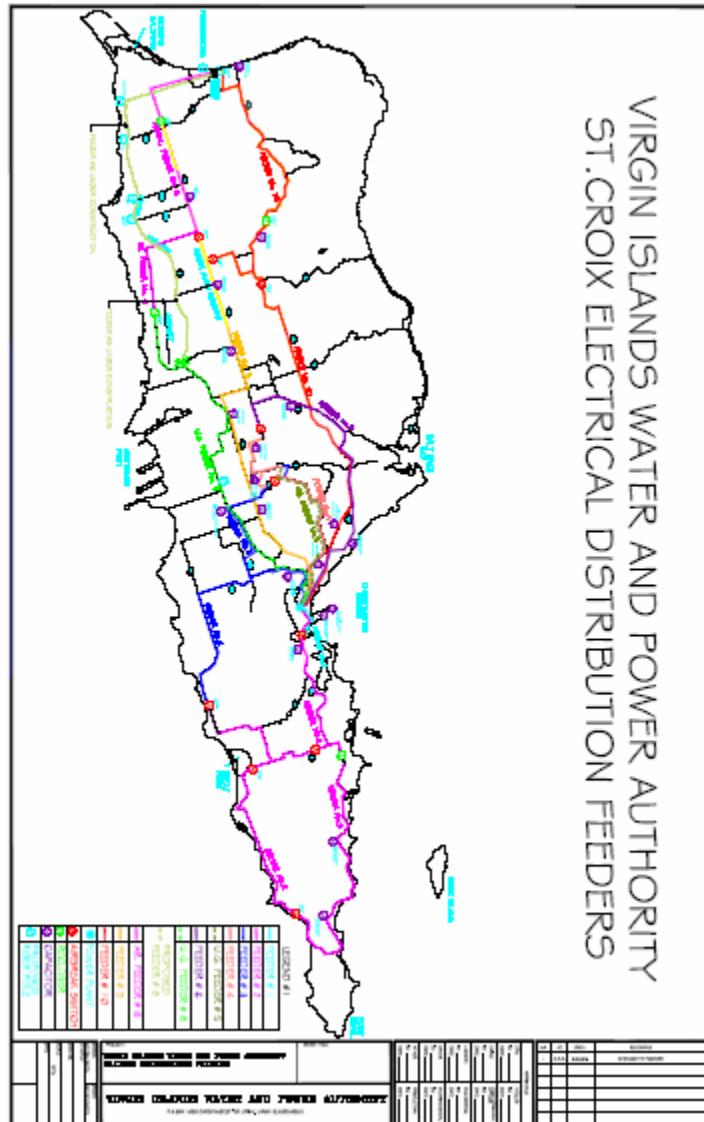
(1) Respondents who are proposing new technologies (e.g. OTEC, wave) must demonstrate relevant experience that will ensure WAPA that they can successfully build, finance and operate the proposed solution. WAPA may require additional information to assess qualifications of Respondents proposing new technologies

Criteria for Non Price Evaluation

Category	Guideline		Score	Sub-Category		Cate
	Max Score	Min Score		Weight	Score	
Reliability of Proposed Solution - Section 3 and 5						
1	Net output and production profile are realistic	Realistic. Generation assumptions are backed by credible sources (e.g., solar or wind projections from reputable source). Expected output consistent with technical specifications of generation facility	Unrealistic. Backed by weak assumptions (e.g., solar or wind projections not from reputable source). Output not consistent with technical specifications of generation facility	100	100%	100
Total					100%	100
Technology and Operations Reliability - Section 5						
2	Risk to WAPA from the proposed technology.	Low risk. Commercially proven technology. If new technology, Respondent has provided credible proof that they can mitigate the risk of new technology (for example, provision of a performance bond)	High risk. Emerging technology for which bidder has not provided enough assurances to WAPA.	100	30%	30
3	On-going operations of facility	Respondent provides a detailed explanation indicating how the facility will be operated. Respondent has experience operating similar facilities elsewhere.	Respondent does not provide a credible plan for on-going operations. Respondent does not have experience operating similar facilities elsewhere.	100	30%	30
4	Respondent has demonstrated experience designing, constructing and operating generating facilities similar to the one being proposed (from pre-qualification form and supplemented in response to RFP)	Yes	No.	100	40%	40
Total					100%	100
Environmental Impact - Section 9						
5	Respondent demonstrates understanding of all environmental requirements	In section 9 (Environmental Compliance Plan), Respondent demonstrates awareness of all environmental requirements for the proposed facility. Provides full description of how they intend to comply with environmental requirements.	In section 9 (Environmental Compliance Plan), Respondent does not demonstrate awareness of all environmental requirements for the proposed facility. Does not provide a full description of how they intend to comply with environmental requirements.	100	50%	50
6	Realistic schedule of when all necessary permits are likely to be obtained	Respondent provides a realistic schedule of when the different environmental permits will be obtained	Respondent does not provide a schedule or the one provided does not seem realistic	100	50%	50
Total					100%	100

Ability to Meet Deadline to come on-line - Sections 5 and 7						
7	Progress towards identifying and/or securing a facility site (owned or leased)	Site has been defined. Low risk of obtaining it within the proposed schedule. Respondent has a well defined plan to secure the site.	Site has not been defined. If defined, there is high risk of obtaining it within the proposed schedule (e.g., located in tourist zone).	100	40%	40
8	Project schedule and milestones are well-defined and realistic	Realistic. Detailed project schedule. Other companies participating in construction have been selected (e.g., engineering, design)	Unrealistic. project schedule vague. Has not identified other companies participating in construction have been selected (e.g., engineering, design)	100	60%	60
Total					100%	100
Financing Plan - Section 6						
9	Respondent has defined amount of financing required and has provided a credible financing plan	Financial model was provided which indicates: total cost of project, amount to be financed, and credible sources of financing (e.g., major banks). In addition, Respondent provides a letter of credit from financiers or has a guarantee from an investment grade parent.	No financial model was provided which indicates: total cost of project, amount to be financed, and credible sources of financing (e.g., major banks). No letter of intent, comfort letter, or guarantee was provided.	100	100%	100
Total					100%	100
Other - Section 10 and 11						
10	Respondent highlights any expected environmental, social, or economic benefit of the proposed solution	Represents additional benefit to WAPA when compared to other bids. Worth giving additional points to this bidder.	Does not represent additional benefit to WAPA when compared to other bids. Not worth giving additional points to this bidder.	100	50%	50
11	Respondent provides comments on proposed additions/deletions to PPA	Comments provided in the form of specific contractual language that Respondent wishes to substitute for the language in the model PPA	Comments provided in the form of generic statements of items to be negotiated or discussed.	100	50%	50
Total					100%	100
TOTAL						100%

ATTACHMENT H –WAPA distribution maps



Notes:

1. This map will be provided electronically.

ATTACHMENT I – Power Purchase Agreement

PPA can be viewed at WAPA's website: www.viwapa.vi